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<120> TGF β 1-inhibitor peptides

<130> U-013446-9

<140> 09/831,253

<141> 2001-05-07

<150> PCT/ES99/00375

<151> 1999-11-23

<150> P9802465

<151> 1998-11-24

>160> 10

<210> SEQ ID NO: 1

<211> 15

<212> Peptide

<213> Artificial sequence

<220> Domain

<223> Derived from human TGF β 1 position 319-333

<400> His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu
5 10 15

<210> SEQ ID NO: 2

<211> 14

<212> Peptide

<213> Artificial sequence

<220> Domain

<223> Derived from human TGF β 1 position 322-335

<400> Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr
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<210> SEQ ID NO: 3

<211> 12

<212> Peptide

<213> Artificial sequence

<220> Domain

<223> Derived from human TGF β 1 type III receptor position 731-742

<400> Thr Ser Leu Asp Ala Thr Met Ile Trp Met Met
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<210> SEQ ID NO: 4

<211> 15

<212> Peptide

<213> Artificial sequence

<220> Domain

<223> Derived from rat TGB β 1 position 245-259

<400> Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Ile Val Asp Ile
5 10 15

<210> SEQ ID NO: 5

<211> 9

<212> Peptide

<213> Synthetic peptide derived from P54

<220> Domain

<400> Thr Ser Leu Met Ile Trp Thr Met Met
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<210> SEQ ID NO: 6

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1 type III receptor

<220> Domain: 729-742

<400> Thr Ser Leu Asp Ala Ser Ile Ile Trp Ala Met Met Gln Asn
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<210> SEQ ID NO: 7

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1 type III receptor

<220> Domain: 241-254

<400> Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp Ile Thr Ile Asp
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<210> SEQ ID NO: 8

<211> 15

<212> Peptide

<213> Synthetic peptide from pig endoglin

<220> Domain: 247-261

<400> Glu Ala Val Leu Ile Leu Gln Gly Pro Pro Tyr Val Ser Trp Leu
5 10 15

<210> SEQ ID NO: 9

<211> 15

<212> Peptide

<213> Synthetic peptide from pig endoglin

<220> Domain: 445-459

<400> Leu Asp Ser Leu Ser Phe Gln Leu Gly Leu Tyr Leu Ser Pro His
5 10 15

<210> SEQ ID NO: 10

<211> 23

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 313-335

<400> His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr
5 10 15
Ile Trp Ser Leu Asp Thr
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<210> SEQ ID NO: 11

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 280-293

<400> Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys Asn
5 10

<210> SEQ ID NO: 12

<211> 13

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 284-297

<400> Asn Tyr Cys Ser Ser Thr Glu Lys Asn Cys Cys Val Arg
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<210> SEQ ID NO: 13

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 288-301

<400> Ser Ser Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile
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<210> SEQ ID NO: 14

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 294-307

<400> Cys Cys Val Arg Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu
5 10

<210> SEQ ID NO: 15

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 298-311

<400> Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp
5 10

<210> SEQ ID NO: 16

<211> 14

<212> Peptide
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<220> Domain: 302-315
<400> Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro
 5 10

<210> SEQ ID NO: 17
<211> 14
<212> Peptide
<213> Synthetic peptide from human TGB β 1
<220> Domain: 306-319
<400> Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His
 5 10

<210> SEQ ID NO: 18
<211> 14
<212> Peptide
<213> Synthetic peptide from human TGB β 1
<220> Domain: 308-321
<400> Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala Asn
 5 10

<210> SEQ ID NO: 19
<211> 14
<212> Peptide
<213> Synthetic peptide from human TGB β 1
<220> Domain: 312-325
<400> Ile His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly
 5 10

<210> SEQ ID NO: 20
<211> 14
<212> Peptide
<213> Synthetic peptide from human TGB β 1
<220> Domain: 316-329
<400> Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr
 5 10

<210> SEQ ID NO: 21
<211> 14
<212> Peptide
<213> Synthetic peptide from human TGB β 1
<220> Domain: 326-339
<400> Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys
 5 10

<210> SEQ ID NO: 22
<211> 14
<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 330-343

<400> Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys Val Leu Ala Leu
5 10

<210> SEQ ID NO: 23

<211> 15

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 335-349

<400> Thr Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro
5 10 15

<210> SEQ ID NO: 24

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 336-349

<400> Gln Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro
5 10

<210> SEQ ID NO: 25

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 340-353

<400> Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala
5 10

<210> SEQ ID NO: 26

<211> 15

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 343-358

<400> Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys
5 10 15

<210> SEQ ID NO: 27

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 344-358

<400> Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys
5 10

<210> SEQ ID NO: 28

<211> 13

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 348-360

<400> Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys Val Pro Gln
5 10

<210> SEQ ID NO: 29

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 350-363

<400> Gly Ala Ser Ala Ala Pro Cys Cys Val Pro Gln Ala Leu Glu
5 10

<210> SEQ ID NO: 30

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 354-367

<400> Ala Pro Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile
5 10

<210> SEQ ID NO: 31

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 358-371

<400> Val Pro Gln Ala Leu Glu Pro Leu Pro Ile Val Tyr Tyr Val
5 10

<210> SEQ ID NO: 32

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 364-377

<400> Pro Leu Pro Ile Val Tyr Tyr Val Gly Arg Lys Pro Lys Val
5 10

<210> SEQ ID NO: 33

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 368-381

<400> Val Tyr Tyr Val Gly Arg Lys Pro Lys Val Glu Gln Leu Ser
5 10

<210> SEQ ID NO: 34

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 372-385

<400> Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val
5 10

<210> SEQ ID NO: 35

<211> 14

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 378-391

<400> Glu Gln Leu Ser Asn Met Ile Val Arg Ser Cys Lys Cys Ser
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<210> SEQ ID NO: 36

<211> 21

<212> Peptide

<213> Synthetic peptide from human TGB β 1

<220> Domain: 322-344

<400> Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr Gln Lys Val
5 10 15

Leu Ala Leu Tyr

20

<210> SEQ ID NO: 37

<211> 14

<212> Peptide

<213> Synthetic peptide modified from human TGB β 1

<220> Domain: 322-335

<400> Phe Ser Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr
5 10

<210> SEQ ID NO: 38

<211> 14

<212> Peptide

<213> Synthetic peptide modified from human TGB β 1

<220> Domain: 322-335

<400> Phe Cys Leu Gly Pro Ser Pro Tyr Ile Trp Ser Leu Asp Thr
5 10

<210> SEQ ID NO: 39

<211> 14

<212> Peptide

<213> Synthetic peptide modified from human TGB β 1

<220> Domain: 322-335

<400> Phe Ser Leu Gly Pro Ser Pro Tyr Ile Trp Ser Leu Asp Thr
5 10

<210> SEQ ID NO: 40

<211> 14

<212> Peptide

<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 322-335
<400> Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Asp Asp Asp
 5 10

<210> SEQ ID NO: 41
<211> 14
<212> Peptide
<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 322-335
<400> Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr
 5 10

<210> SEQ ID NO: 42
<211> 14
<212> Peptide
<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 322-335
<400> Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser Asp Asp Asp
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<210> SEQ ID NO: 43
<211> 11
<212> Peptide
<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 325-332
<400> Gly Pro Cys Pro Tyr Ile Trp Ser Asp Asp Asp
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<210> SEQ ID NO: 44
<211> 11
<212> Peptide
<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 325-332
<400> Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser
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<210> SEQ ID NO: 45
<211> 10
<212> Peptide
<213> Synthetic peptide modified from human TGB β 1
<220> Domain: 325-332
<400> Asp Gly Pro Cys Pro Tyr Ile Trp Ser Asp
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<210> SEQ ID NO: 46
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 91-102
<400> Asn Pro Ile Ala Ser Val His Thr His His Lys Pro
 5 10

<210> SEQ ID NO: 47
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 104-115
<400> Val Phe Leu Leu Asn Ser Pro Gln Pro Leu Val Trp
 5 10

<210> SEQ ID NO: 48
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 109-120
<400> Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu
 5 10

<210> SEQ ID NO: 49
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 110-121
<400> Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu Arg
 5 10

<210> SEQ ID NO: 50
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 333-344
<400> Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
 5 10

<210> SEQ ID NO: 51
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 428-439
<400> Pro Ile Val Pro Ser Val Gln Leu Leu Pro Asp His
 5 10

<210> SEQ ID NO: 52
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 555-566

<400> Gly Asp Glu Gly Glu Thr Ala Pro Leu Ser Arg Ala
5 10

<210> SEQ ID NO: 53

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 563-574

<400> Leu Ser Arg Ala Gly Val Val Val Phe Asn Cys Ser
5 10

<210> SEQ ID NO: 54

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 603-614

<400> Leu Phe Leu Val Pro Ser Pro Gly Val Phe Ser Val
5 10

<210> SEQ ID NO: 55

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 605-616

<400> Leu Val Pro Ser Pro Gly Val Phe Ser Val Ala Glu
5 10

<210> SEQ ID NO: 56

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 707-718

<400> Glu Leu Thr Leu Cys Ser Arg Lys Lys Gly Ser Leu
5 10

<210> SEQ ID NO: 57

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 712-723

<400> Ser Arg Lys Lys Gly Ser Leu Lys Leu Pro Arg Cys
5 10

<210> SEQ ID NO: 58

<211> 12

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 717-728

<400> Ser Leu Lys Leu Pro Arg Cys Val Thr Pro Asp Asp

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<210> SEQ ID NO: 59
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor
<220> Domain: 722-733
<400> Arg Cys Val Thr Pro Asp Asp Ala Cys Thr Ser Leu
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<210> SEQ ID NO: 60
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor
<220> Domain: 727-738
<400> Asp Asp Ala Cys Thr Ser Leu Asp Ala Thr Met Ile
          5                               10
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<210> SEQ ID NO: 61
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor
<220> Domain: 732-743
<400> Ser Leu Asp Ala Thr Met Ile Trp Thr Met Met Gln
          5                               10
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<210> SEQ ID NO: 62
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor
<220> Domain: 737-748
<400> Met Ile Trp Thr Met Met Gln Asn Lys Lys Thr Phe
          5                               10

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<210> SEQ ID NO: 63
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor
<220> Domain: 742-752
<400> Met Gln Asn Lys Lys Thr Phe Thr Lys Pro Leu Ala
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<210> SEQ ID NO: 64
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 747-758
<400> Thr Phe Thr Lys Pro Leu Ala Val Val Leu Gln Val
          5                               10

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<210> SEQ ID NO: 77  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 70-84  
<400> Leu Asn Leu Arg Ser Thr Asp Gln Gly Pro Gly Gln Arg Gln Arg .  
                5              10              15
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[illegible]

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<210> SEQ ID NO: 79  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 80-94  
<400> Gly Gln Arg Gln Arg Glu Val Thr Leu His Leu Asn Pro Ile Ala  
                    5                      10                     15
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<210> SEQ ID NO: 80  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 85-99  
<400> Glu Val Thr Leu His Leu Asn Pro Ile Ala Ser Val His Thr His  
                    5                               10                      15
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<210> SEQ ID NO: 81  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 90-104  
<400> Leu Asn Pro Ile Ala Ser Val His Thr His His Lys Pro Ile Val  
                5              10             15
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<210> SEQ ID NO: 82  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 95-109  
<400> Ser Val His Thr His His Lys Pro Ile Val Phe Leu Leu Asn Ser  
                    5                                10                        15
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<210> SEQ ID NO: 83

<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 100-114
<400> His Lys Pro Ile Val Phe Leu Leu Asn Ser Pro Gln Pro Leu Val
 5 10 15

<210> SEQ ID NO: 84
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 105-119
<400> Phe Leu Leu Asn Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr
 5 10 15

<210> SEQ ID NO: 85
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 110-124
<400> Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu Arg Leu Ala Ala
 5 10 15

<210> SEQ ID NO: 86
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 115-129
<400> Trp His Leu Lys Thr Glu Arg Leu Ala Ala Gly Val Pro Arg Leu
 5 10 15

<210> SEQ ID NO: 87
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 120-134
<400> Arg Leu Ala Ala Gly Val Pro Arg Leu Phe Leu Val Ser Glu Gly
 5 10 15

<210> SEQ ID NO: 88
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 125-139
<400> Gly Val Pro Arg Leu Phe Leu Val Ser Glu Gly Ser Val Val Gln
 5 10 15

<210> SEQ ID NO: 89
<211> 15

<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 130-144
<400> Phe Leu Val Ser Glu Gly Ser Val Val Gln Phe Pro Ser Gly Asn
 5 10 15

<210> SEQ ID NO: 90
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 135-149
<400> Gly Ser Val Val Gln Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala
 5 10 15

<210> SEQ ID NO: 91
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 140-154
<400> Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg
 5 10 15

<210> SEQ ID NO: 92
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 145-159
<400> Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu
 5 10 15

<210> SEQ ID NO: 93
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 150-164
<400> Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu Asn Glu His Leu Val
 5 10 15

<210> SEQ ID NO: 94
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 155-169
<400> Asn Phe Pro Gln Glu Asn Glu His Leu Val Arg Trp Ala Gln Lys
 5 10 15

<210> SEQ ID NO: 95
<211> 15
<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 160-174
<400> Asn Glu His Leu Val Arg Trp Ala Gln Lys Glu Tyr Gly Ala Val
 5 10 15

<210> SEQ ID NO: 96

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 165-179

<400> Arg Trp Ala Gln Lys Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu
 5 10 15

<210> SEQ ID NO: 97

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 170-184

<400> Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg
 5 10 15

<210> SEQ ID NO: 98

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 175-189

<400> Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys
 5 10 15

<210> SEQ ID NO: 99

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 180-194

<400> Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln
 5 10 15

<210> SEQ ID NO: 100

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 185-199

<400> Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Thr
 5 10 15

<210> SEQ ID NO: 101

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor



5

10

15

15

Peptide

Synthetic peptide from rat TGB β 1 type III receptor

5

10

15

15

Peptide

Synthetic peptide from rat TGB β 1 type III receptor

5

10

15

15

Peptide

Synthetic peptide from rat TGB β 1 type III receptor

5

10

15

15

Peptide

Synthetic peptide from rat TGB β 1 type III receptor

55

10

15

15

Peptide

Synthetic peptide from rat TGB β 1 type III receptor

2

10

19

15

Peptide

• Synthetic peptide from rat TGB β 1 type III receptor

```
<400> Ala Ala Glu Gly Cys Val Leu Pro Ser Gln Pro His Glu Lys Glu
              5              10              15
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<210> SEQ ID NO: 108

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 225-239

<400> Val Leu Pro Ser Gln Pro His Glu Lys Glu Val His Ile Ile Glu
5 10 15

<210> SEQ ID NO: 109

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 230-244

<400> Pro His Glu Lys Glu Val His Ile Ile Glu Leu Ile Thr Pro Ser
5 10 15

<210> SEQ ID NO: 110

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 235-249

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<400> Val His Ile Ile Glu Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser
          5                               10                      15
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<210> SEQ ID NO: 111

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 240-254

<400> Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp
5 10 15

<210> SEQ ID NO: 112

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 250-264

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<400> Ala Phe Gln Val Asp Ile Ile Val Asp Ile Arg Pro Ala Gln Glu  
                    5              10              15
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<210> SEQ ID NO: 113

<211> 15

<212> Peptide

<213> Synthetic peptide from rat TGB β 1 type III receptor

<220> Domain: 255-269

<400> Ile Ile Val Asp Ile Arg Pro Ala Gln Glu Asp Pro Glu Val Val

5

10

15

```
<210> SEQ ID NO: 114  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 260-274  
<400> Arg Pro Ala Gln Glu Asp Pro Glu Val Val Lys Asn Leu Val Leu  
                    5                               10                   15
```

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<210> SEQ ID NO: 115  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 265-279  
<400> Asp Pro Glu Val Val Lys Asn Leu Val Leu Ile Leu Lys Cys Lys  
                    5              10              15
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<210> SEQ ID NO: 116  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 270-284  
<400> Lys Asn Leu Val Leu Ile Leu Lys Cys Lys Lys Ser Val Asn Trp  
                    5                               10                      15
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<210> SEQ ID NO: 117  
<211> 15  
<212> Peptide  
<213> Synthetic peptide from rat TGB $\beta$ 1 type III receptor  
<220> Domain: 275-289  
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[illegible][illegible]

<210> SEQ ID NO: 126
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 320-334
 <400> Arg Asp Asp Ile Pro Ser Thr Gln Glu Asn Leu Met Lys Trp Ala
 5 10 15

<210> SEQ ID NO: 127
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 325-339
 <400> Ser Thr Gln Glu Asn Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr
 5 10 15

<210> SEQ ID NO: 128
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 330-344
 <400> Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
 5 10 15

<210> SEQ ID NO: 129
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 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 335-349
 <400> Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser Tyr Thr Met Ala Pro
 5 10 15

<210> SEQ ID NO: 130
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 340-354
 <400> Arg Pro Val Thr Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe
 5 10 15

<210> SEQ ID NO: 131
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB β 1 type III receptor
 <220> Domain: 345-359
 <400> Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
 5 10 15

<211> 12
<212> Peptide
<213> Modified synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 731-742
<400> Thr Ser Leu Asp Ala Thr Met Ile Trp Asp Asp Asp
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<210> SEQ ID NO: 145
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<212> Peptide
<213> Modified synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 731-742
<400> Asp Asp Asp Ala Thr Met Ile Trp Thr Met Met
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<210> SEQ ID NO: 146
<211> 7
<212> Peptide
<213> Modified synthetic peptide from rat TGB β 1 type III receptor
<220> Domain: 734-740
<400> Asp Ala Thr Met Ile Trp Asp
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<210> SEQ ID NO: 147
<211> 9
<212> Peptide
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<220> Domain: 731-739
<400> Thr Ser Leu Asp Ala Thr Thr Met Met
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<210> SEQ ID NO: 148
<211> 18
<212> Peptide
<213> synthetic peptide from rat TGB β 1 type II receptor
<220> Domain: 84-101
<400> Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val
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Cys

<210> SEQ ID NO: 149
<211> 19
<212> Peptide
<213> Synthetic peptide from human fetuin
<220> Domain: 114-132
<400> Cys Asp Phe Gln Leu Leu Lys Leu Asp Gly Lys Phe Ser Val Val Tyr Ala
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Lys Cys

<220> Domain: 13-24
<400> Leu Leu Leu Leu Val Leu Leu Pro Thr Asp Ala Ser
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<210> SEQ ID NO: 156
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 20-31
<400> Pro Thr Asp Ala Ser Val Ser Gly Lys Pro Gln Tyr
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<210> SEQ ID NO: 157
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 44-55
<400> Thr Glu Lys Gly Cys Val Leu Leu Ser Tyr Leu Asn
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<210> SEQ ID NO: 158
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 166-177
<400> Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln
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<210> SEQ ID NO: 159
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 192-203
<400> Phe Pro Leu Ser Ser Glu Pro Phe Gln Gly Ser Tyr
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<210> SEQ ID NO: 160
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 247-258
<400> Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys
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<210> SEQ ID NO: 161
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<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 248-259
<400> Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro

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<210> SEQ ID NO: 162
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 250-261
<400> Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro Val Pro
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<210> SEQ ID NO: 163
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 267-278
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<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 469-480
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<210> SEQ ID NO: 165
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 554-565
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<210> SEQ ID NO: 167
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 790-801
<400> Gln Pro Phe Phe Val Glu Leu Thr Met Pro Tyr Ser
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<210> SEQ ID NO: 168
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 827-838
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<210> SEQ ID NO: 169
<211> 12
<212> Peptide
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<220> Domain: 825-836
<400> Ser Val Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala
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<210> SEQ ID NO: 170
<211> 12
<212> Peptide
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<400> Ala Leu Glu Ser Gln Glu Leu Cys Gly Thr Glu Val
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<210> SEQ ID NO: 171
<211> 11
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1001-1012
<400> Lys Ser Lys Ile Gly Tyr Leu Asn Thr Gly Tyr
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<210> SEQ ID NO: 172
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
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<210> SEQ ID NO: 173
<211> 12
<212> Peptide
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<220> Domain: 1162-1173
<400> Lys Arg Lys Glu Val Leu Lys Ser Leu Asn Glu Glu
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<210> SEQ ID NO: 174
<211> 12
<212> Peptide
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<220> Domain: 1193-1204
<400> Val Gly His Phe Tyr Glu Pro Gln Ala Pro Ser Ala
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<210> SEQ ID NO: 175

<211> 12
<212> Peptide
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<220> Domain: 1209-1220
<400> Thr Ser Tyr Val Leu Leu Ala Tyr Leu Thr Gln Ala
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<210> SEQ ID NO: 176
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1211-1222
<400> Tyr Val Leu Leu Ala Tyr Leu Thr Ala Gln Pro Ala
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<210> SEQ ID NO: 177
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1256-1267
<400> Val Ala Leu His Ala Leu Ser Lys Tyr Gly Ala Ala
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<210> SEQ ID NO: 178
<211> 12
<212> Peptide
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<220> Domain: 1232-1243
<400> Tyr Gly Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala
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<210> SEQ ID NO: 179
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1234-1245
<400> Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala Phe Val
5 10

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